Chosen Topic:   
Can household compounds (e.g.tea) be used to promote good health in plants?  
REASON: Some people drink half of their tea/ coffee and empty their cup into the nearest flower pot. We asked ourselves that is it good for the plant? We have seen people pouring coffee, soda and even ice cream in flower pots. How do these substances affect the plant? Can plants consume and benefit from our food and drink leftovers? How about soaps, detergents, oils and other household compounds? Plants need certain nutrients in order to grow healthy, can we find some of those nutrients in household substances? So in this study, we will investigate the effect of household compounds on health and growth of certain plants.  
  
  
COMMON HOUSEHOLD COMPOUNDS  
  
Question  
What are some common household compounds other than salt, sugar, water, vineger, carbon dioxide, baking soda, ammonia, bleach, and antacid?  
  
Answer:  
Compounds are substances that consist of two or more elements that are joined together through electon bonds.  There are both ionic and covalent compounds.  Compounds cannot be split apart into their individual elements.  
  
Some examples are:  
Borax (a laundry detergent)  
Calcium chloride (which is found in sports drinks, foods, and medications )  
Acetamenophen  
Ibuprofen  
Acetone (nail polish remover) CH3COCH3  
Caffeine  
Glue (made of polyvinyl alcohol and polyvinyl acetate)  
Citronella oil  
Citric acid (found in lemon juice, lemons, limes, etc)  
Hydrogen peroxide  
Corn starch  
  
  
There are literally millions of compounds.  
Source:<http://en.allexperts.com/q/Science-Kids-3250/2008/10/Compounds.htm>  
  
Drain cleaner - Sodium Hydroxide - NaOH  
Mouthwash - Ethanol/Ethyl Alcohol - EtOH or CH3CH2OH  
Glass cleaner/Rubbing alcohol - Isopropanol/Isopropyl Alcohol -  
iPrOH or (CH3)2CHOH  
  
Ammonia - NH3  
Bleach - Sodium Hypochlorite - NaOCl  
Table Salt - Sodium Chloride - NaCl  
Sugar - Sucrose, C6H12O6-C6H12O6  
Vinegar - Acetic Acid - AcOH or CH3(C=O)OH or CH3COOH  
Baking Soda - Sodium Bicarbonate - NaHCO3  
  
Source: <http://answers.yahoo.com/question/index?qid=20080219235046AAy2VxR>  
  
  
-----Question-----  
I am an 8th grade student doing a science project called do household products effect the environment. In my ppoject isee if 3 different household cleaning products affect plants. There is only one problem. I cant find out what chenmicals in the household products are the reason why they are considered pollutants and why they hurt plants and the environment. i used bleach, detergent and window cleaner. i really need help an i hope you can answer my question!! Thank you  
-----Answer-----  
Hi Nicole; you have two different problems to solve here.  One is how these products affect plants and the other is why they affect plants.  I think you should just conduct an experiment to find out how these products affect plant growth. Then you can discuss the why part.  You are studying these products on a small scale with a plant study.  On  a large scale (in the environment) bleach and window cleaner are not really pollutants because the amount that gets into the environment is too little.  Detergents however leave phosphorus in water supplies.  Let me know how you have designed your experiment. (Kinds of plants, treatment etc) and let me know your hypothesis.  I can then help you.  
  
Thanks so much for your reply. For my project I am using 4 plants ( bean plants) one will be watered with regular water, the second with detergent solution mixed in with water and so on. My hypothesis was that the plants would die from the chemicals. If such products as Windex and bleach do not get affect  the environment as much as detergent, should i change my other two household products and what should they be? Thanks again for your reply and i hope you can help me with my project  
  
Source: <http://en.allexperts.com/q/Biology-664/Biology-chemistry-1.htm>

Question: Can household compounds (e.g.tea) be used to promote good health in plants?

Answer: Sugar water I think a 1 to 3 thing like... 1 cup of sugar for every 3 cups of water... and if you have any animals their leftovers work well. haha

Strong Cold Tea Is Good For Use As A Plant Fertilizer, Also The Tea Leaves.

Updated answer: some household products, like Epsom salts, can be used in the garden. Tea leaves and coffee grounds can be added to the compost pile, and compost is a good basic fertilizer. The "animal leftovers" mentioned above, aka manure, is also a good fertilizer once composted. I would not recommend sugar water, since it does not contain any of the NPK (nitrogen, phosphorus, potassium) fertilizer components. And sugar water can lead to bacterial and fungal growth in soil.

For best results, use fertilizers commercially sold, or make your own compost.

Source: <http://wiki.answers.com/Q/What_household_products_can_be_used_as_plant_fertilizers>

***Farhana M. Lucman III- neon***

***Sherifa Rossmia O. Kadil III- neon***